

What is Claimed Is:

1. A client server system comprising a server and a plurality of clients connected to said server via communication
5 lines,

wherein said server comprises a transmission/receiving part, an icon transfer part for transferring an icon received by said transmission/receiving part to another client, and a screen creation part for receiving an icon from said
10 transmission/receiving part and creating a message board screen,

wherein said client comprises a transmission/receiving part, an icon creation part for sending a transmission icon to said transmission/receiving part, and a screen creation part for receiving an icon received by said transmission/receiving part and/or an icon created by said icon creation part and creating
15 a message board screen, and

wherein, when a new icon is created, said client displays the new icon on its message board screen and sends said icon to said server, and said server receives said icon, displays the icon on its message board screen, and transfers said icon
20 to another client.

2. The client server system according to Claim 1, wherein said message board includes a generation number to indicate a message status as an attribute thereof, said generation number is updated at least when a new message is posted on said message board, when a message on said message board is corrected, or when a message on said message board is deleted, and said client receives said generation number from the server, and requests
25 said icon transfer part of said server to transfer the icon when the generation number received at this time is different from
30 the generation number received at a previous time.

3. The client server system according to Claim 2, wherein
a message includes an ID number as an attribute thereof, and
the updated generation number is set as said ID number when a
5 new message is posted on said message board, the ID number is
not updated when a message on said message board is corrected,
and the ID number is not updated but the content of the message
is overwritten with a pseudo-message when a message on said
message board is deleted.

10

4. The client server system according to Claim 3, wherein
when said client receives an icon from said icon transfer part
of said server and a message with the same ID number as the ID
number of the message related to the transferred icon is not
on its message board, said client registers the message with
this ID number as a new message,

when a message with the same ID number as the ID number
of the message related to the transferred icon is on its message
board, said client corrects the message with this ID number on
its message board by replacing it with a new message received
from the server, and

when a message with the same ID number as the ID number
of the message related to the transferred icon is on the self
message board and the message received from the server is a
25 pseudo-message, said client deletes the message with this ID
number on its message board.

5. The client server system according to Claim 2, wherein
said client requests said server to notify said generation number
30 at a predetermined time interval.

6. A client server system comprising a server and a plurality of clients connected to said server via communication lines, wherein said server comprise a transmission/receiving part, an icon transfer part which transfers an icon received by said transmission/receiving part to another client, and a screen creation part which receives an icon from said transmission/receiving part and creates a message board screen,
5 wherein said client comprises a transmission/receiving part, an icon creation part which sends a transmission icon to said transmission/receiving part, and a screen creation part which receives an icon received by said transmission/receiving part and/or an icon created by said icon creation part and creates a message board screen, and
10 wherein, when a new icon is created, said client displays the new icon on its message board screen and sends said icon to said server,
15 said server receives said icon, displays it on its message board screen and transfers said icon to another client, and
20 said icon indicates the positional relationship of the message board and the message and/or the positional relationship between the messages.

7. The client server system according to Claim 6, wherein said client is a portable information terminal comprising a flat panel display, and said icon is represented by one or more dots on said flat panel display.
25

8. A data transmission method for a client server system comprising a server and a plurality of clients connected to said server via communication lines, said data transmission method comprising:
30

a step the client inquiring a generation number to indicate a message status to the server;

a step of the client comparing the generation number at this time with the generation number at a previous time;

5 a step of the client requesting the server to transmit a message;

a step of the client judging whether the ID number included in the received message matches the ID number of the message already existing on the message board;

10 a step of registering the message with this ID number as a new message when the message with the ID number the same as that received from the server does not exist on its message board;

a step of correcting a message by replacing a message with the ID number with a new message received from the server when the message with the same ID number as that received from the server exists on its message board; and

15 a step of deleting a message with the ID number on its message board when the message with the same ID number as that received from the server exists on its message board and the message received from the server is a pseudo-message.

20
25 9. A data transmission method for a client server system comprising a server and a plurality of clients connected to said server via communication lines, said data transmission method comprising:

a step of the server preparing a self message board to post a message from said client;

30 a step of the server preparing a generation number to indicate a message status on said message board as an attribute thereof;

a step of the server preparing an ID number corresponding to a message of said message board;

a step of the server initializing said generation number;
a step of the server updating said generation number at
least when a new message is posted on said message board, when
a message on said message board is corrected or when a message
5 on said message board is deleted;

10 a step of the server setting the updated generation number
as said ID number when a new message is posted on said message
board; a step of the server overwriting the content of said message
with a pseudo-message without updating the ID number when a
message on said message board is deleted; and

a step of the server sending the message to said client
according to the request from the client.

15 10. A medium recording a program for a computer to execute
the data transmission method for a client server system which
comprises a server and a plurality of clients connected to said
server via communication lines, wherein the program is for
executing:

20 a step of the client inquiring a generation number to
indicate a message status to the server;

a step of the client comparing the generation number at
this time with the generation number at a previous time;

a step of the client requesting the server to transmit a
message;

25 a step of the client deciding whether the ID number included
in the received message matches the ID number of the message
already existing on the message board;

30 a step of registering a message with the ID number as a
new message when the message with the same ID number as that
received from the server does not exist on its message board;

a step of correcting a message by replacing a message with
the ID number with a new message received from the server when

the message with the same ID number as that received from the server exists on its message board; and

a step of deleting a message with the ID number on its message board when the message with the same ID number as that received from the server exists on its message board and the message received from the server is a pseudo-message.

11. A medium recording a program for a computer to execute the data transmission method for a client server system which comprises a server and a plurality of clients connected to said server via communication lines, wherein the program is for executing:

a step of the server preparing its message board to post a message from said client;

15 a step of the server preparing a generation number to indicate a message status on the message board as an attribute thereof;

a step of the server preparing an ID number corresponding to a message on said message board;

20 a step of the server initializing said generation number;

a step of the server updating said generation number at least when a new message is posted on said message board, when a message on said message board is corrected, or when a message on said message board is deleted;

25 a step of the server setting the updated generation number as said ID number when a new message is posted on said message board;

a step of the server overwriting the content of said message with a pseudo-message without updating the ID number when the 30 message on said message board is deleted; and

a step of the server sending the message to said client according to the request from the client.